Index of Authors

ADAM, K. M. G. and BLEWETT, D. A. The epidemiology of *Babesia* in cattle in Scotland, ii

ADAM, K. M. G., BLEWETT, D. A., BROCKLESBY, D. W. and SHARMAN, G. A. M. Characterization of *Babesia* from red deer, ii

ALEXANDER, J. and PHILLIPS, R. S. Immunity to *Leishmania mexicana* in mice, xxviii

ANDERSON, J. C. *See* HUGHES, D. L.

ANDERSON, R. M. The dynamics of chance infection processes, a theoretical study, xvi

ANDERSON, R. M. and LETHBRIDGE, R. C. An experimental study of the survival characteristics, activity and energy reserves of the hexacanths of *Hymenolepis dimunuta*, 137

ANDERSON, R. M. *See* WHITFIELD, P. J.

ANDREASSEN, JØRN. *See* HESSELBERG, CARL AAGE.

ANGUS, K. W. *See* COOP, R. L.

ASHFORD, R. W. Preliminary results in the life-cycle of *Isospora buteonis*, ii

ASHFORD, R. W. *See* MOLYNEUX, D. H.

BAKER, J. R. and SELDEN, LINDA F. *Trypanosoma* (*Schizotrypanum*) *dionisii* in macrophage cultures. 2. Temperature sensitivity of the intracellular parasite, xviii

BANAJA, A. A., JAMES, J. L. and RILEY, J. An experimental investigation of a direct life-cycle in *Reighardia sternae* (Diesing, 1864), a pentastomid parasite of the herring gull (*Larus argentatus*), 493.

BANAJA, A. A., JAMES, J. L. and RILEY, J. An experimental investigation of a pentastomid life-cycle, xi

BANNISTER, L. H. and TATCHELL, E. C. Fine structural organization of the cytopharynx of *Stentor coeruleus*, x

BANNISTER, L. H., BUTCHER, G. A., DENNIS, E. D. and MITCHELL, G. H. Structure and invasive behaviour of *Plasmodium knowlesi* merozoites *in vitro*, 483

BANNISTER, L. H., BUTCHER, G. A., DENNIS, E. D. and MITCHELL, G. H. Invasion of erythrocytes by *Plasmodium knowlesi*: an electron microscope study, ix

BARRETT, J. *See* KÖRTING, W.

BARRY, D. Movement of surface antigens induced by homologous antiserum in *Trypanosoma rhodesiense*, xxvii

BARTHOLOMEW, R. K. *See* WILSON, R. J. M.

BARTLETT, ANN, TURTON, J. A. and WILLIAMSON, J. R. Observations on a *Necator americanus* infection in man, xxxii

BARTLETT, ROBERTA and PEASE, PHYLLIS. Latent *Haemobartonella muris* infection: its transmission and decline in an inbred ectoparasite-free strain of Wistar rat, 35

BASCH, PAUL F. *See* DICONZA, JOSEPH J.

BASS, H. *See* BROWN, R. C.

BEALE, G. H. *See* KNOWLES, J. K. C.

BECKERS, P. Observations on *Pneumocystis carinii* infections in a colony of Wistar rats, ii

BEFUS, A. D. Secondary infections of *Hymenolepis diminuta* in mice: effects of varying worm burdens in primary and secondary infections, 61

BEFUS, A. D. and THREADGOLD, L. T. Possible immunological damage to the tegument of *Hymenolepis diminuta* in mice and rats, 525

BEFUS, A. D. and THREADGOLD, L. T. Immune damage to the tegument of the tapeworm *Hymenolepis diminuta*, xviii

BEHNKE, JERZY M. Suppression of expulsion of *Aspiculuris tetraptera* in hydrocortisone and methotrexate treated rats, 109

BEHNKE, J. M. The effect of immunosuppressive agents on infection with *Aspiculuris tetraptera* in abnormal hosts, xx

BENNET, C. E. A scanning electron microscope study of *Fasciola hepatica* from excystment to maturation in the mouse, xxv

BHATTACHARYULU, Y., CHAUDHRI, R. P. and GILL, B. S. Transstadial transmission of *Theileria annulata* through common ixodid ticks infesting Indian cattle, 1

BHOPALE, K. K. *See* RAY, D. K.
BLAND, A. P. *See* BROCKLESBY, D. W.
BLAND, P. W. Unresponsiveness of nude mice to *Hymenolepis diminuta*, xix
BLEWETT, D. A. *See* ADAM, K. M. G.
BOLBOL, A. S. and SEWELL, M. M. H. The response of rabbit lymphocytes to the presence of extracts of *Fasciola hepatica*, xiii
BOREHAM, P. F. L. *See* COOK, R. M.
BRADLEY, J. W. A. *See* ROSE, M. ELAINE.
BRAY, R. A. *See* GIBSON, D. I.
BROCKLESBY, D. W., MORZARIA, S. P., BLAND, A. P. and HARRADINE, D. L. *Babesia major* in *Haemaphysalis punctata:* isolation, transmission, life-cycle and ultrastructure, ix
BROCKLESBY, D. W. *See* ADAM, K. M. G.
BROWN, C. G. D. *See* RADLEY, D. E.
BROWN, C. G. D. *See* STAGG, D. A.
BROWN, R. C., BASS, H. and COOMBS, J. P. The interaction of *Acanthamoeba castellani* with mammalian erythrocytes, xv
BURDEN, D. J. and RUTTER, J. M. Microbial involvement in *Trichuris suis* infections, xxxiv
BURNS, M. and WALKEY, M. Glucose uptake *in vivo* and *in vitro* in the plerocercoid stage of *Schistocephalus solidus*, iv
BURRIDGE, M. J. *See* RADLEY, D. E.
BURT, D. R. R. On *Tetrabothrius sulae fosae* (Baird 1853) and *Tetrabothrius sulae* Szpotanska 1929 from gannets, xxxiv
BURT, SUSAN J. *See* TRIGG, P. I.
BUTCHER, G. A. *See* BANNISTER, L. H.
BUTCHER, G. A. *See* DENNIS, E. D.
BUTLER, R. D. *See* GELDAPO, B.

CANNING, ELIZABETH U. The significance of maturation bodies in macrogametogenesis of sporozoan blood parasites, xxiv
CATCHPOLE, JANET and NORTON, C. C. Coccidiosis in rabbits: experimental infections with *Eimeria intestinalis*, xxxiv
CHALABI, K. A. L. and GUTTERIDGE, W. E. Deoxythymidylate catabolism in *Trypanosoma cruzi*, vi
CHAPMAN, H. D. *Eimeria tenalla* in chickens: development of resistance to quinolone antococcidial drugs, 41
CHAPMAN, H. D. Studies on the mode of action of anticoccidial drugs against *Eimeria tenella in vivo* and *in vitro*, xxix
CHAPPELL, L. H. *See* PIKE, A. W.
CHAUDHRI, R. P. *See* BHATTACHARYULU, Y.
CHEAH, K. S. Electron transport system of muscle mitochondria from *Ascaris lumbricoides*, xxxi
CHERNIN, JACK. A possibility that *Taenia crassiceps* can synthesise or 'mimic' host protein, xxi
CHRISTENSEN, HOWARD A. *See* HERRER, ARISTIDES.
CHUBB, JAMES C. A review of seasonal occurrence and maturation of adult helminths in freshwater fish in the British Isles, iii
COADWELL, W. J. and WARD, P. F. V. Observations on the development of *Haemonchus contortus* in young sheep given a single infection, 125
COHEN, S. *See* DENNIS, E. D.
COLES, G. C. and SIMPKIN, K. G. Metabolic gradients along the cestode *Hymenolepis diminuta*, vii
CONNAN, R. M. Inhibited development in *Haemonchus contortus*, 239
COOK, R. M. and BOREHAM, P. F. L. Phagocytosis and opsonins in *Trypanosoma brucei* infections, xxvii
COOMBS, J. P. *See* BROWN, R. C.
COOP, R. L., SYKES, A. R. and ANGUS, K. W. The effect of sub-clinical parasitism on the performance and body composition of sheep, xxxii
COTTRELL, B. J. *See* HARRIS, J. E.

COVER, B. *See* GUTTERIDGE, W. E.
CROFT, S. *See* MOLYNEUX, D. H.
CROLL, NEIL A. Autonomy of nematode behavioural activities, vii
CROSS, G. A. M. Identification, purification and properties of clone-specific glycoprotein antigens constituting the surface coat of *Trypanosoma brucei*, 393
CROSS, G. A. M., KLEIN, R. A. and LINSTEAD, D. J. Utilization of amino acids by *Trypanosoma brucei* in culture: L-threonine as precursor for acetate, 311
CUNNINGHAM, M. P. *See* RADLEY, D. E.
CURDS, C. R. Criteria used for the identification of *Euplotes* species, xxxiii
CURDS, C. R. and ROBERTS, D. McL. Preliminary notes on the continuous culture of two species of *Tetrahymena*, ii
CURREY, HEATHER M. Ultrastructural studies of the male reproductive system of *Metastrongylus apri*, xxii
CURRY, A. The detection of actin-like proteins in some protozoa using heavy meromyosin, x

DAVE, O., GUTTERIDGE, W. E. and RICHARDS, W. H. G. Biochemical mechanisms for the conversion of dihydroorotate to orotate in parasitic protozoa, vi
DAVEY, J. T. and GEE, J. M. Temperature and breeding in *Mytilicola intestinalis*, a copepod parasite of the mussel, *Mytilus edulis*, iv
DAVIES, C. The use of ultrastructural techniques to assess the development of two metacercariae *in vitro*, xxv
DAVIES, E. E. *See* HOWELLS, R. E.
DAVIES, ZENA. *See* SMYTH, J. D.
DENHAM, D. A. A comparison of different methods of evaluating potential filaricides, xxix
DENNIS, E. D., MITCHELL, G. H., BUTCHER, G. A. and COHEN, S. *In vitro* isolation of *Plasmodium knowlesi* merozoites using polycarbonate sieves, 475
DENNIS, E. D. *See* BANNISTER, L. H.
DICONZA, JOSEPH J. and BASCH, PAUL F. Histochemical demonstration of acetylcholinesterase in *Schistosoma mansoni* (Trematoda), 305
DOY, T. G. *See* HARNESS, E.

ERASMUS, D. A. *Schistosoma mansoni* – the vitelline cell – its development and role in drug sequestration, xxiii
EVANS, A. A. F. *See* RAHMAN RAZAK, A.
EVELAND, L. K. and MORSE, S. I. *Schistosoma mansoni: in vitro* conversion of cercariae to schistosomula, 327
EYDEN, B. P. Epi- and endobionts associated with the intestinal flagellates *Octomitus* and *Tritrichomonas*: ultrastructural observations, x

GABORAK, A. M. *See* GUTTERIDGE, W. E.
GALLIE, G. J. *See* SEWELL, M. M. H.
GAZZINELLI, G. *See* HOWELLS, R. E.
GAZZINELLI, G. *See* RAMALHO-PINTO, F. J.
GEE, J. M. *See* DAVEY, J. T.
GELDAPO, B. and BUTLER, R. D. Tentacle contraction in the suctorian protozoon *Dendrocometes paradoxus* (Stein), xii
GERKEN, S. E. *See* HOWELLS, R. E.
GIBBONS, LYNDA M. *See* KHALIL, L. F.
GIBSON, D. I. and BRAY, R. A. 'Ist der Laurer'sche Kanal der Trematoden eine Vagina?' (A. Looss, 1893): has this question been adequately answered?' ii
GILL, B. S. *See* BHATTACHARYULU, Y.
GILL, B. S. *See* SINGH, JASMER.
GODFREY, D. G. *See* KILGOUR, VERONICA.
GINGER, C. D. The use of affinity chromatography to study vitamin biosynthesis in Protozoa, vi
GOOCH, P. S. Helminths in archaeological and prehistoric deposits, ii
GOOSE, J. The efficacy of dermally applied levamisole in sheep and cattle, xxix

GOOSE, J. and MACGREGOR, MICHELLE. The efficacy of dermally applied levamisole in rats and mice, xxix
GRAY, J. S. The intestinal cellular response of the fowl to the cestode *Raillietina cesticillus*, xiv
GULL, K. *See* MAZEN, LAILA.
GUTTERIDGE, W. E., GABORAK, A. M. and COVER, B. Preliminary studies on the metabolic activity and infectivity of intracellular stages of *Trypanosoma cruzi* isolated from rat muscle tissue, vi
GUTTERIDGE, W. E. *See* CHALABI, K. A. L.
GUTTERIDGE, W. E. *See* DAVE, O.
GUTTERIDGE, W. E. *See* MAZEN, LAILA.

HALTON, D. W. Cell renewal in the gut of a monogenean, *Diclidophora*, xxiii
HALTON, D. W. *See* HARDCASTLE, ANNE
HARDCASTLE, ANNE and HALTON, D. W. Spermatogenesis in a monogenean parasite, *Diclidophora merlangi*, xxiii
HARGREAVES, B. J. *See* WALLIKER, D.
HARNESS, E., DOY, T. G. and HUGHES, D. L. The early detection of an immune response in mice to the liver fluke, *Fasciola hepatica*, xiii
HARNESS, E. *See* HUGHES, D. L.
HARRADINE, D. L. *See* BROCKLESBY, D. W.
HARRIS, J. E. and COTTRELL, B. J. Responses of the plaice *Pleuronectus platessa* L. to a nematode antigen, xxiv.
HARRISON, L. J. S. Studies on the immunochemistry and serology of *Taenia saginata* infections in cattle, xiv
HARRY, O. G. The development of basal discs and spore ducts on gregarine gametocysts, xvii
HASTON, WENDY S. Substrate utilization by midgut forms of *Trypanosoma brucei brucei*, xviii
HASTON, W. *See* SLESS, F.
HAWKING, F. Differentiation of strains of *Trypanosoma brucei* resistant to human plasma, xxvii
HERRER, ARISTIDES and CHRISTENSEN, HOWARD A. Infrequency of gross skin lesions among Panamanian forest mammals with cutaneous leishmaniasis, 87
HESSELBERG, CARL AAGE and ANDREASSEN, JØRN. Some influences of population density on *Hymenolepis diminuta* in rats, 517.
HODGES, R. D. *See* MICHAEL, E.
HOLWILL, M. E. J. and MCGREGOR, J. L. Effects of calcium ion concentration on flagellar movement in *Crithidia oncopelti*, xii
HOMMEL, MARCEL. An experimental study of *Leishmania braziliensis braziliensis*, xxxiii
HOWARD, G. W. Differentially delayed development in the lechwe warble *Strobiloestrus vanzyli* (Diptera: Oestridae), x
HOWARD, G. W. The experimental transmission of *Eperythrozoon ovis* by mosquitoes, xxxiii
HOWARD, R. J. Adaptation of *Hymenolepis microstoma* (Cestoda) to its mouse host, xv
HOWELLS, R. E. and DAVIES, E. E. The effect of minocycline on sporogonic development of *Plasmodium berghei*, xxix
HOWELLS, R. E., GERKEN, S. E., RAMALHO-PINTO, F. J., KAWAZOE, U., GAZZINELLI, G. and PELLEGRINO, J. *Schistosoma mansoni:* tail loss in relation to permeability changes during cercaria – schistosomulum transformation, 9
HOWELLS, R. E. *See* RAMALHO-PINTO, F. J.
HUGHES, D. L., ANDERSON, J. C. and HARNESS, E. *Fasciola hepatica* implantation, lymph node responses and acquired protection in mice, xii
HUGHES, D. L. *See* HARNESS, E.

ITO, AKIRA. *In vitro* oncospheral agglutination given by immune sera from mice infected, and rabbits injected, with eggs of *Hymenolepis nana*, 465

JAMES, E. R. Storage of schistosomula, xxx

JAMES, E. R. and TAYLOR, M. G. Attenuation of *Schistosoma matthei* by serial passage through laboratory hamsters, xxxi
JAMES, J. L. *See* BANAJA, A. A.
JENKINS, T. Oogenesis and egg shell formation in *Trichuris suis*, xxi
JONES, A. R. Calcification in *Tetrahymena* and other ciliates, xii
JOYNER, L. P. and NORTON, C. C. Transferred drug-resistance in *Eimeria maxima*, 385
JOYNER, L. P. and NORTON, C. C. Transferred drug resistance in strains of *Eimeria maxima*, xxix

KANHAI, G. K. *See* STAGG, D. A.
KAWAZOE, U. *See* HOWELLS, R. E.
KEARN, GRAHAM C. The mode of hatching of the monogenean *Entobdella soleae* a skin parasite of the common sole (Solea solea), 419
KEMP, PATRICK. *See* LASER, HANS.
KENDALL, S. B. The life-history of *Hyostrongylus rubid*, xxiv
KENNEDY, C. R. Long term stability in the population size of the fish acanthocephalan *Pomphorhynchus laevis*, xvi
KHALIL, L. F. *Gyrometra:* a rare unusual cestodarian from a fish in the Indian Ocean, iii
KHALIL, L. F. and GIBBONS, LYNDA M. The helminth parasites of the suni, an African antelope from Kenya, xvii
KILGOUR, VERONICA, GODFREY, D. G. and TAYLOR, ANGELA E. R. Enzymic evidence of subspeciation in some salivarian trypanosomes, v
KILLICK-KENDRICK, R. *See* MOLYNEUX, D. H.
KIMBER, C. G. D. *See* YOUNG, A. S.
KING, C. A. Comparison of protein from the flagellate and amoeboid forms of *Naegleria gruberi*, xii
KIRIMI, I. M. *See* RADLEY, D. E.
KIRKWOOD, A. C. Some further observations on the biology of the headfly *Hydrotaea irritans*, x
KLEIN, R. A., LINSTEAD, D. J. and WHEELER, M. V. Carbon dioxide fixation in trypanosomatids, 93
KLEIN, R. A. *See* CROSS, G. A. M.
KLEIN, ROGER. *See* LASER, HANS.
KNOWLES, J. K. C. and BEALE, G. H. The transfer of mitochondria between different species of *Paramecium*, xii
KÖRTING, W. and BARRETT, J. Lipid metabolism in *Fasciola hepatica*, viii
KRUYT, B. C. *See* RUITENBERG, E. J.
KUSEL, J. R. and MACKENZIE, PAMELA E. The measurement of the relative turnover rates of the surface membranes and other fractions of *Schistosoma mansoni* in culture, 261
KUSEL, J. R., MACKENZIE, P. E. and MCLAREN, D. J. The release of membrane antigens into culture by adult *Schistosoma mansoni*, 247
KYD, SALLY I. *See* TRIGG, P. I.

LANDER, DAVID. *See* LASER, HANS.
LASER, HANS, KEMP, PATRICK, MILLER, NIGEL, LANDER, DAVID and KLEIN, ROGER. Malaria, quinine and red cell lysis, 167
LASER, H., KLEIN, R. A., KEMP, P., LANDER, D. and MILLER, N. G. A. Changes in the neutral lipid content of erythrocytes parasitized by *Plasmodium knowlesi*, v
LAURENCE, B. R. *See* SIMPSON, M. G.
LEE, D. L. *See* MARTIN, J.
LEE, D. L. *See* WILKINS, D.
LETHBRIDGE, R. C. *See* ANDERSON, R. M.
LEWIS, D. *In vitro* studies on the host-parasite interaction between *Leishmania mexicana mexicana* and peritoneal macrophages taken from normal and sensitized mice, xviii
LINSTEAD, D. J. *See* CROSS, G. A. M.
LINSTEAD, D. J. *See* KLEIN, R. A.
LISTON, A. J. *Trypanosoma* (*Schizotrypanum*) *dionisii* in macrophage cultures: 1. Preliminary observations on entry into cells, xviii

LLEWELLYN, J. The biology of an isoncistrine (Monogenean) parasite of the squid, *Alloteuthis subulata*, at Plymouth, iii

LONG, P. L. and MILLARD, B. J. Pathogenicity, immunogenicity and site specificity of an attenuated strain of *Eimeria tenella*, xxix

LONG, P. L. *See* ROSE, M. ELAINE.

LOVE, R. J. and OGILVIE, BRIDGET, M. Homing of thoracic duct immunoblasts in rats infected with *Nippostrongylus brasiliensis*, xx

LOVE, R. J., OGILVIE, BRIDGET, M. and MCLAREN, DIANE J. *Nippostrongylus brasiliensis:* further properties of antibody-damaged worms and induction of comparable damage by maintaining worms *in vitro*, 275.

MACDONALD, SHEILA. Hatching rhythms in three species of *Diclidophora* (Monogenea) with observations on host behaviour, 211

MCDONALD, V. and PHILLIPS, R. S. Immunity to *Plasmodium vinckei chabaudi* in mice: attempts to understand the role of different lymphoid cell types, xxx

MCGREGOR, J. L. *See* HOLWILL, M. E. J.

MACGREGOR, MICHELLE. *See* GOOSE, J.

MCHARDY, N. Passive immunization against *Trypanosoma cruzi*, xxvii

MACKENZIE, K. *Renicola* spp. and *Lacistorhynchus* sp. as biological tags for herring, iii

MACKENZIE, P. E. *See* KUSEL, J. R.

MCLAREN, D. J. *See* KUSEL, J. R.

MACLEOD, R. A. F. Genetic recombination between drug resistance markers in *Plasmodium chabaudi*, xxiv

MACMILLAN, W. G. and NORTON, M. Y. Determination of the surface areas of gregarine trophozoites (*Nematocystis magna*), xvii

MARSHALL, I. Respiration and biochemical analysis of *Biomphalaria glabrata* infected with *Schistosoma mansoni*, xxxi

MARTIN, J. and LEE, D. L. Crystals in *Hyostrongylus rubidus* associated with the immune response in lambs, xxiv

MASON, A. R. *See* MITCHELL, J. B.

MAZEN, LAILA, GULL, K. and GUTTERIDGE, W. E. A freeze-fracture study of the host-parasite interface of *Plasmodium chabaudi*, ix

MICHAEL, E. Transmission and scanning electron microscope studies on *Eimeria acervulina* oocysts within the host, viii.

MICHAEL, E. and HODGES, R. D. Scanning electron microscopy of the duodenal mucosa of chickens infected with *Eimeria acervulina*, 229

MICHEL, J. F. Some observations on arrested development of *Ostertagia ostertagi*, xv

MILLARD, B. J. *See* LONG, P. L.

MILLER, NIGEL. *See* LASER, HANS.

MITCHELL, G. H. *See* BANNISTER, L. H.

MITCHELL, G. H. *See* DENNIS, D. E.

MITCHELL, J. B. and MASON, A. R. The cercaria of *Gorgoderina vitelliloba* with special reference to the anterior tail chamber, xxxiv

MOLYNEUX, D. H., CROFT, S., ASHFORD, R. W. and KILLICK-KENDRICK, R. Recent observations on trypanosomatids in insects, xxiv

MOMEN, HOOMAN. Observations on the biochemistry of *Babesia rodhaini* infections in mouse erythrocytes, v.

MORSE, S. I. *See* EVELAND, L. K.

MORZARIA, S. P. *See* BROCKLESBY, D. W.

MUSISI, F. L. *See* RADLEY, D. E.

NASHER, A. K. and WALKEY, M. *Hymenolepis* 'x', a possible new species of this genus from the long-tailed field mouse *Apodemus sylvaticus*, xxxv

NASHER, A. K. *See* WALKEY, M.

NORTON, C. C. and HEIN, HELEN. Immunological differences between three strains of *Eimeria maxima*, xxix

NORTON, C. C. and JOYNER, L. P. The development of drug-resistant strains of *Eimeria maxima* in the laboratory, 153

NORTON, C. C. *See* CATCHPOLE, JANET
NORTON, C. C. *See* JOYNER, L. P.
NORTON, M. Y. *See* MACMILLAN, W. G.
NWOSU, ALPHONSUS B. C. Factors in the development of the eggs and the free-living stages of the cat hookworm *Ancylostoma tubaeforme*, xv

O'DELL, D. S. *See* PRESTON, T. M.
OGILVIE, BRIDGET M. *See* LOVE, R. J.
OGILVIE, BRIDGET M. *See* YEATES, R. A.
OGBOURNE, C. P. Studies on the epidemiology of *Strongylus vulgaris* infection of the horse, xvi
OWEN, DAWN. *Eimeria falciformis* (Eimer, 1870) in specific pathogen free and gnotobiotic mice, 293

PAGE, F. C. *Thecamoeba:* a genus of soil predators, ii
PATTERSON, D. J. Ion accumulation in *Tetrahymena pyriformis*, xii
PATTERSON, D. J. *See* SLEIGH, M. A.
PAYNE, R. C. *See* YOUNG, R. S.
PEASE, PHYLLIS. *See* BARTLETT, ROBERTA.
PELLEGRINO, J. *See* HOWELLS, R. E.
PELLEGRINO, J. *See* RAMALHO-PINTO, F. J.
PHILLIPS, R. S. *See* ALEXANDER, J.
PHILLIPS, R. S. *See* MCDONALD, V.
PIKE, A. W. and CHAPPELL, L. H. Loss of *Hymenolepis diminuta* from rats – immunity, competition or artifact? xix
PRESTON, T. M. and O'DELL, D. S. The surface of *Naegleria* – some reflections, xi
PURNELL, R. E. *See* RADLEY, D. E.
PURNELL, R. E. *See* YOUNG, A. S.

RADLEY, D. E., BROWN, C. G. D., BURRIDGE, M. J., CUNNINGHAM, M. P., KIRIMI, I. M., MUSISI, F. L., PURNELL, R. E. and YOUNG, A. S. Laboratory cross-immunity trials on cattle immunized against East African theileriosis by infection and chemoprophylaxis, xxviii
RAHMAN RAZAK, A. and EVANS, A. A. F. An intracellular tube associated with feeding of *Rotylenchulus reniformis*, a semi-endoparasitic nematode on cowpea roots, vii
RAMALHO-PINTO, F. J., GAZZINELLI, G., HOWELLS, R. E. and PELLEGRINO, J. Factors affecting surface changes in intact cercariae and cercarial bodies of *Schistosoma mansoni*, 19
RAMALHO-PINTO, F. J. *See* HOWELLS, R. E.
RAY, D. K., BHOPALE, K. K. and SHRIVASTAVA, V. B. Development of *Ancylostoma ceylanicum* Looss, 1911 (Hamster strain) in the albino mouse, *Mus musculus*, with and without cortisone, 193
RICHARDS, W. H. G. *See* DAVE, O.
RILEY, J. *See* BANAJA, A. A.
ROBERTS, D. MCL. *See* CURDS, C. R.
ROGERS, ROSEMARY. Chronological study of filariasis using xeroradiography, xxviii
ROSE, M. E. Infections with coccidia: macrophage – parasite interactions, xxix
ROSE, M. ELAINE, LONG, P. L. and BRADLEY, J. W. A. Immune responses to infections with coccidia in chickens, 357
RUITENBERG, E. J. and KRUYT, B. C. Effect of intestinal flagellates on immune response of mice, xxx
RUTTER, J. M. *See* BURDEN, D. J.

SANDON, H. The species problem on opalinids with special reference to those in Africa, xxxiii
SCHNUR, L. F. Observations on the transfer stage of trichomonads from Syrian hamsters, xxxiii
SCHULZ-KEY, HARTWIG. Development of the nodule, finding of sexes and production of the microfilariae in *Onchocerca flexuosa* (Wedl, 1856) in the red deer (*Cervus elaphus*), viii

SELBY, GWENDOLINE R. and WAKELIN, D. Suppression of the immune response to *Trichuris muris* in lactating mice, 77
SELDEN, LINDA F. *See* BAKER, S. R.
SEWELL, M. M. H. and GALLIE, G. J. Experimental studies on *Taenia saginata* infections in cattle, xiii
SEWELL, M. M. H. *See* BOLBOL, A. S.
SHAKESPEARE, P. G. and TRIGG, P. I. The activity of the pentose phosphate pathway in erythrocytes of the Rhesus monkey infected with *Plasmodium knowlesi*, v.
SHAKESPEARE, P. G. *See* TRIGG, P. I.
SHARMAN, G. A. M. *See* ADAM, K. M. G.
SHAW, J. R. *In vitro* studies on the reproductive biology of *Schistosoma mansoni*, viii
SHIRLEY, M. W. Enzyme variation in *Eimeria* species of the chicken, 369
SHIRLEY, M. W. Isoenzymes in the coccidia, v
SHRIVASTAVA, V. B. *See* RAY, D. K.
SIDDIQUI, M. A. The course of microfilaraemia in non-irradiated Delhi and Carworth strains of white rats and in irradiated and non-irradiated Golden Hamster infected quantitatively with *Litomosoides carinii*, xvii
SIMMONS, D. J. C. *See* WALKEY, M.
SIMPKIN, K. G. *See* COLES, G. C.
SIMPSON, M. G. and LAURENCE, B. R. The host reaction of the mosquito *Anophelae labranchia atroparvus* to the filarial worm *Brugia patei*, xx
SINCLAIR, I. J. The effect of pregnancy on circulating antibodies to *Ostertagia ostertagi* infections in heifers, xxiv
SINDEN, R. E. Scanning electron microscope studies of malaria parasites, ix
SINGH, JASMER and GILL, B. S. Effect of gamma-irradiation on oocysts of *Eimeria necatrix*, 117
SLEIGH, M. A. and PATTERSON, D. J. Cinematographic observations on the contractile vacuole cycle in *Terahymena pyriformis*, i
SLESS, F. and HASTON, W. The effect of pretreatment with cyclophosphamide on experimental infections of *Trypanosoma brucei*, xxvii
SMALLEY, M. E. The nature of age immunity to *Plasmodium berghei* in the rat, 337
SMITH, J. M. Comparative ultrastructure of the oesophageal glands of third-stage larval hookworms, xxii
SMITH, J. W. *See* WOOTTEN, R.
SMYTH, J. D. and DAVIES, ZENA. *In vitro* suppression of segmentation in *Echinococcus multilocularis* with morphological transformation of protoscoleces into monozoic adults, 125
STAGG, D. A., BROWN, C. G. D., KANHAI, G. K. and YOUNG, A. S. The isolation and establishment of *Theileria*-infected cell lines from wild Bovidae in East Africa, xxiv
SWIDERSKI, Z. Electron microscope studies of vitellogenesis in *Caryophylaeus laticeps* (Pallas) (Cestoidea: Caryophylaediae), xxvi
SYKES, A. R. *See* COOP, R. L.

TATCHELL, E. C. *See* BANNISTER, I. H.
TAYLOR, ANGELA, E. R. *See* KILGOUR, VERONICA
TAYLOR, M. G. *See* JAMES, E. R.
THOMAS, R. J. and WALLER, P. J. Serum pepsinogen studies in ostertagiasis in sheep, xv
THOMAS, R. J. *See* WALLER, P. J.
THOMPSON, R. C. A. The epidemiology of equine echinococcosis in Great Britain, i
THREADGOLD, L. T. *Fasciola hepatica:* the ultrastructure of the epithelium of the seminal vesicle, the ejaculatory duct and the cirrus, 437
THREADGOLD, L. T. *See* BEFUS, A. D.
TINSLEY, R. C. The correlation between the life-cycle of *Eupolystoma alluaudi* (Monogenea) and the ecology of its host *Bufo regularis*, xvi
TINSLEY, R. C. and WYNNE OWEN, R. Studies on the biology of *Protopolystoma xenopodis* (Monogenoidea): the oncomiracidium and life-cycle, 445
TOWER, ERICA. Host specificity and differences in the reproductive biology of *Argulus foliaceus*, xi
TRIGG, P. I. Invasion of erythrocytes by *Plasmodium falciparum in vitro*, 433

TRIGG, P. I. and SHAKESPEARE, P. G. Factors affecting the reinvasion of erythrocytes by *Plasmodium knowlesi*, xxiv
TRIGG, P. I., SHAKESPEARE, P. G., BURT, SUSAN J. and KYD, SALLY I. Ribonucleic acid synthesis in *Plasmodium knowlesi* maintained both *in vivo* and *in vitro*, 199
TRIGG, P. I. *See* SHAKESPEARE, P.G.
TURTON, J. A. *See* BARTLETT, ANN

VERHAVE, J. P. Anti-sporozoite immunity in *Plasmodium gheiber* – rodent models, xxx

WAKELIN, D. Genetic control of immune responses to parasites: immunity to *Trichuris muris* in inbred and random-bred strains of mice, 51
WAKELIN, D. Genetic control of immune responses to parasites: selection for responsiveness and non-responsiveness to *Trichuris muris* in random-bred mice, 377
WAKELIN, D. Genetic control of immunity to parasites, xxv
WAKELIN, D. *See* SELBY, GWENDOLINE R.
WALKEY, M., SIMMONS, D. J. C. and NASHER, K. Host specificity, development and immunity of a possible new species of *Hymenolepis*, vii
WALKEY, M. *See* BURNS, M.
WALKEY, M. *See* NASHER, A. K.
WALLER, P. J. and THOMAS, R. J. Field studies on inhibition of *Haemonchus contortus* in sheep, 285
WALLER, P. J. *See* THOMAS, R. J.
WALLIKER, D., YOELI, M. and HARGREAVES, B. J. A genetic investigation of virulence in *Plasmodium yoelii*, i
WARD, P. F. V. *See* COADWELL, W. J.
WARHURST, D. C. *Acanthamoeba polyphage* from corneal ulcers, xxxiii
WEGERHOF, PAUL H. and WENK, PETER. Injections of microfilariae, progress of microfilaraemia and subsequent quantitative infection with *Litomosoides carinii* (Nematoda: Filarioidea) in the cotton rat, xix
WELLS, E. Mammalian reservoirs of *Trypanosoma evansi* in the Llanos Orientales of Colombia, ii
WENK, PETER. *See* WEGERHOF, PAUL H.
WHARTON, D. A. Structure and function in an oxyurid egg, xxii
WHEELER, M. V. *See* KLEIN, R. A.
WHITFIELD, P. J. and ANDERSON, R. M. The attachment of the cercaria of *Transversotrema patialensis* to its final host, xxvi
WILKINS, D. and LEE, D. L. Changes in serum and liver of turkeys infected with *Histomanas meleagridis*, xxxiii
WILLIAMSON, J. R. *See* BARTLETT, ANN.
WILSON, R. J. M. and BARTHOLOMEW, K. The release of antigens by *Plasmodium falciparum*, 183
WILSON, V. V. L. C. A serological study of leishmaniasis in a Kenyan population, xxviii
WOOTTEN, R. and SMITH, J. W. Distribution and abundance of larval anisakids in euphausiids and gadoid fish from the northern North Sea, iii
WUELKER, W. Nematode-induced changes of genital imaginal disks in midge larvae (Chironomus: Diptera), xxvi
WYNNE OWEN, R. *See* TINSLEY, R. C.

YEATES, R. A. and OGILVIE, BRIDGET M. Measurement of antibodies to nematode secretions, xxv
YOELI, M. *See* WALLIKER, D.
YOUNG, A. S., PURNELL, R. E., KIMBER, C. D. and PAYNE, R. C. Correlation between morphology and infectivity of *Theileria lawrencei* developing in the tick *Rhipicephalus appendiculatus*, 27
YOUNG, A. S. *See* RADLEY, D. E.
YOUNG, A. S. *See* STAGG, D. A.

Index of Subjects

Acetylcholinesterase, in antibody-damaged *Nippostrongylus brasiliensis*, 275
in sporocysts of *Schistosoma mansoni*, 305
Adaptation, of *Hymenolepis microstoma* to the mouse, xv
Age-dependent immunity, to *Plasmodium berghei* in the rat, 337
to *Reighardia sternae* in the herring gull, 493
Agglutinins, to *Hymenolepis nana* oncospheres, 465
Amino acids, utilization of, by *Trypanosoma brucei*, 311
Ancylostoma ceylanicum, development of, in the mouse, 193
Ancylostoma tubaeforme, development of, xv
Antibody stimulation, by *Schistosoma mansoni*, 247
Anticoccidial drugs, development of resistance to, 153
development of resistance to quinolones, 41
Antigen secretion, by nematodes, xxv
by *Nippostrongylus brasiliensis*, 275
by *Schistosoma mansoni*, 261
Antigens, in the surface coat of *Trypanosoma brucei*, 393
Antigenic activity, of *Fasciola hepatica* extracts, xiii
Ascaris lumbricoides, electron transport system of muscle motochondria from, xxxi
Aspiculuris tetraptera, effect of immunosuppressive agents on infections, xx
suppression of expulsion of, 109
Attenuation, of *Schistosoma matthei*, by passage through hamsters, xxxi

Babesia major, biology of, ix
Babesia rodhaini, biochemistry of, v
Behaviour of nematodes, vii
of *Plasmodium falciparum* invading erythrocytes, 433
of *Plasmodium knowlesi* merozoites invading erythrocytes, 483
Biochemistry, of *Babesia rodhaini*, v
Biology, of *Hydrotaea irritans*, x
of *Protopolystoma xenopodis*, 445
Blackwater fever, role of quinine in, 167
Brugia pahangi, xeroradiography of infections, of xxviii

Calcium concentration, effect on *Schistosoma mansoni* cercariae, 19
Carbon dioxide fixation, by trypanosomatids, 93
Cell penetration, by *Trypanosoma* (*Schizotrypanum*) *dionisii*, xviii
Cell renewal, in the gut of *Diclidophora merlangi*, xxiii
Cestoda, evolution of, 125
Chironomus sp., effect on genital imaginal disks in midge larvae, xxvi
Clopidol, transferred resistance to, in *Eimeria maxima*, 385
Coccidiosis, effect on infected chicken gut, 357
Cross-immunity, against theileriosis in cattle, xxviii
Cryptic infections, of *Leishmania* spp. in Panamanian forest mammals, 87

Development, assessment of, by ultrastructural techniques, xxv
delayed, in *Strobiloestrus vanzyli*, x
of a possible new species of *Hymenolepis*, vii
of *Ancylostoma tubaeforme*, xv
of *Eimeria falciformis* in germfree mice, 293
of *Haemonchus contortus* in sheep, 505
of *Onchocerca flexuosa*, viii
Diclidophora merlangi, cell renewal in the gut of, xviii
spermatogenesis in, xxiii

Diclidophora spp., hatching rhythms of, 211
Differentiation, of *Echinococcus* spp., *in vitro*, 125
Direct life-cycle, for *Reighardia sternae*, 493
Drug resistance, development of, in *Eimeria maxima*, 153
development of, in *Eimeira tenella*, 41
transferred, in *Eimeria maxima*, 385

Echinococcus multilocularis, differentiation of, 125
Echinococcosis, epidemiology of, i
Eimeria acervulina, effect on chicken duodenal mucosa, 229
gut hypersensitivity in infected chickens, 357
ultrastructure of, within the host, viii
Eimeria falciformis, life-cycle stages of, 293
Eimeria maxima, development of drug-resistant strains of, 153
immunological differences between three strains of, xxix
transferred drug-resistance in, 385
Eimeria necatrix, effect of irradition on oocysts of, 117
Eimeria spp., enzyme variation in, 369
Eimeria tenella, development of resistance to quinolones in, 41
Electron transport system, of muscle mitochondria from *Ascaris lumbricoides*, xxxi
Energy reserves, in hexacanths of *Hymenolepis diminuta*, 137
Entobdella soleae, mode of hatching of, 419
Enzyme variants, in *Eimeria* spp., 369
Enzymes, effect on hatching of *Entobdella soleae*, 419
Eperythrozoon ovis, experimental transmission of, xxxiii
Epidemiology, of echinococcosis, i
Expulsion, of *Aspiculuris tetraptera*, suppression of, 109
of *Hymenolepis diminuta* from secondary infections, 61

Fasciola hepatica, early detection of immunity to, in mice, xiii
implantation of, in rats, xii
lipid metabolism in, viii
response of rabbit lymphocytes to extracts of, xiii
ultrastructure of reproductive system of, 437
Fatty acids, effects of quinine on protein inhibition of haemolysis induced by, 167
Field studies, of inhibition in *Haemonchus contortus*, 285
Filariasis, chronological studies of, xxviii

Gamma-irradiation, effect on oocysts of *Eimeria necatrix*, 117
Genetic control of immunity, to *Trichuris muris* in mice, 51, 377, xxv
Germfree mice, development of *Eimeria falciformis* in, 293
Glucose, metabolism of, in *Trypanosoma brucei*, 311
uptake of, by *Schistocephalus solidus*, iv
Glycoproteins, clone-specific, in the surface coat of *Trypanosoma brucei*, 393
Gorgoderina vitelliloba, anterior tail chamber of cercaria of, xxxiv
Gyrometra spp., anatomy of, iii

Haemobartonella muris, transmission of, 35
Haemonchus contortus, development of, in sheep, 505
field studies on inhibition of, 285
inhibited development of, 239
Hammerschmidtiella diesingi, egg structure and function in, xxii
Hatching, mode of, in *Entobdella soleae*, 419
rhythms, of *Diclidophora* spp., 211
Helminths, from African antelope, xvii
in freshwater fish in the British Isles, iii
in prehistoric deposits, ii
Histochemistry, of sporocysts of *Schistosoma mansoni*, 305

Hookworms, effect of cortisone on the development of, in the mouse, 193
structure of oesophageal gland of, xxii
Host behaviour, affecting hatching of *Diclidophora* spp., 211
Host-parasite relationship, *Bufo regularis* and *Eupolystoma alluaudi*, xvi
host response to *Raillietina cesticillus*, xiv
Mytilus and *Mytilicola*, iv
Host protein, synthesis of, by *Taenia crassiceps*, xxi
Hydrocortisone acetate, effect on hookworm development in mouse, 193
Hydrotaea irritans, biology of, x
Hymenolepis, a new species of, vii
Hymenolepis diminuta, effects of population density on, 517
immune damage to tegument of, 525, xviii
immunity to secondary infections in mice, 61
loss of, from rats, xix
metabolic gradients along, vii
survival characteristics of, 137
Hymenolepis microstoma, adaption to mouse host, xv
Hymenolepis nana, agglutination of oncospheres of, 465
Hymenolepis 'x', a possible new species from *Apodemus sylvaticus*, xxxv
Hypersensitivity, of chicken gut infected with *Eimeria acervulina*, 357

Immune complexes, formation of, in malaria, 183
Immune response, effect of intestinal flagellates in mice, xxx
Immunity, of cattle to *Taenia saginata*, xiii, xiv
genetic control of, 51, 377, xxv
of lactating mice to *Trichuris muris*, 77
of mice, to *Fasciola hepatica*, xiii
of mice to *Hymenolepis diminuta*, thymus dependency of, xix
of mice, to secondary infections of *Hymenolepis diminuta*, 61
of rats and mice, to *Hymenolepis diminuta*, 525
of rats to *Hymenolepis diminuta*, xix
to *Eimeria necatrix*, effect of irradiating oocysts, 117
to *Nippostrongylus brasiliensis*, 275
to *Plasmodium berghei* in the rat, effect of host age, 337
Immunization, passive, against *Trypanosoma cruzi*, xxvii
Immunological damage, to tapeworm tegument, 525, xviii
Immunological differences, between three strains of *Eimeria maxima*, xxix
Immunological rejection, of *Aspiculuris tetraptera*, 109
Immunosuppression, effect on *Aspiculuris tetraptera* infections, xx
effect on hookworm development in the mouse, 193
in lactating mice, 77
Implantation, of *Fasciola hepatica* in rats, xii
Infection, chance, dynamics of, xvi
cryptic, in leishmaniasis of forest mammals, 87
progress of, of *Necator americanus* in man, xxxii
subclinical, effect on sheep, xxxii
Infectivity, of stored schistosomula, xxx
Inhibited development, in *Haemonchus contortus*, 239, 285
Intestinal mucosa, changes in chickens infected with *Eimeria acervulina*, 229, 357
Irradiation, effect on course of microfilaraemia, xvii
of *Eimeria necatrix* oocysts, effect on immune expulsion of, 117
Isoenzymes, in *Eimeria* spp., 369
Ixodid ticks, development of *Theileria lawrencei* in, 27
transmission of *Theileria annulata* by, 1

Lactation, causing immune suppression in mice, 77
Latent infection, of *Haemobartonella muris*, 35
Laurer's canal, function of, ii

Leishmaniasis, infrequency of skin lesions in Panamanian forest mammals, 87
Life-cycle stages, cercaria-schistosomulum transformation in *Schistosoma mansoni*, 9, 327
cercaria of *Gorgoderina vitelliloba*, xxxiv
erythrocytic stages of *Plasmodium falciparum*, 433
erythrocytic stages of *Plasmodium knowlesi*, 199
merozoites of *Plasmodium knowlesi*, 475, 483
of a pentastomid, xi
of *Babesia major*, ix
of *Echinococcus* spp., *in vitro*, 125
of *Eimeria falciformis* in mice, 293
of *Eupolystoma alluaudi*, xvi
of *Protopolystoma xenopodis*, 445
of *Reighardia sternae*, 493
of *Theileria lawrencei* in the tick vector, 27
sporocysts of *Schistosoma mansoni*, 305
Lipids, metabolism of, in *Fasciola hepatica*, viii
of erythrocytes, effect of *Plasmodium knowlesi* infections, v
Litomosoides carinii, progress of infection in cotton rats, xix

Malarial antigens, release of, 183
Mathematical model, for chance infection processes, xvi
for survival characteristics of *Hymenolepis diminuta*, 137
Membrane antigens, particulate and soluble, from *Schistosoma mansoni*, 247, 261
Metacercariae, *in vitro* development of, xxv
Metabolism, differences along the length of *Hymenolepis diminuta*, vi
intermediary, in trypanosomatids, 93
of amino acids, by *Trypanosoma brucei*, 311
Metastrongylus apri, male reproductive system of, xxii
Methyl benzoquate, transferred drug-resistance to, in *Eimeria maxima*, 385
Microfilaraemia, course of infection in cotton rats, xix
course of infection in rats and hamsters, xvii
Mytilicola intestinalis, breeding of, iv

Necator americanus, observations on an infection in man, xxxii
Nematodes, behaviour of, vii
effect on genital imaginal disks in midge larvae, xxvi
measurement of antibodies to secretions from, xxv
New species, of *Gyrometra*, from a fish in the Indian ocean, iii
possible, of *Hymenolepis*, from *Apodemus sylvaticus*, xxxiii
Nippostrongylus brasiliensis, antibody-damaged worms, 275
homing of thoracic duct immunoblasts in infected worms, xx

Onchocerca flexuosa, biology of, viii
Oncomiracidium, of *Protopolystoma xenopodis*, 445
Oogenesis, in *Trichuris suis*, xxi
Opsonins, in *Trypanosoma brucei* infections, xxvii
Ostertagiasis, serum pepsinogen studies in sheep, xv
Overcrowding, effect on *Hymenolepis diminuta* infections, 517
Oxyruid egg, structure and function in, xxii

Packed red cell volume, changes in, in sheep infected with *Haemonchus contortus*, 505
Pentastomids, life-cycle of, xi
Pepsinogen, leakage of, in ostertagiasis in sheep, xv
Permeability, changes during tail loss in *Schistosoma mansoni* cercariae, 9
Plasmodium berghei, age immunity to, in the rat, 337
Plasmodium falciparum, invasion of erythrocytes by, *in vitro*, 433
release of antigens by, 183

Plasmodium knowlesi, chemotherapy of infections, 167
effect on erythrocyte lipid content, v
isolation of merozoites using polycarbonate sieves, 475
RNA synthesis in, 199
structure and invasiveness of merozoites of, 483
Polycarbonate sieves, used to separate *Plasmodium knowlesi* merozoites, 475
Population, density, effect on *Hymenolepis diminuta*, 517
turnover, of *Haemonchus contortus*, 285
Protein turnover rates, in cultured *Schistosoma mansoni*, 261
Protopolystoma xenopodis, biology of, 445

Quinine, chemotherapeutic action of, 167
Quinolones, development of resistance to, in *Eimeria tenella*, 41

Radioisotope labelling patterns, in trypanosomatids supplied with labelled CO_2, 93
Raillietina cesticillus, host response to, xiv
Reighardia sternae (Diesing, 1864), a direct life-cycle for, 493
Reproductive system, of *Fasciola hepatica*, ultrastructure of, 437
Responsiveness/non-responsiveness, to *Trichuris muris* in mice, 377
Ribosomes, and RNA synthesis in *Plasmodium knowlesi*, 199

Schistocephalus solidus, glucose uptake by, iv
Schistosoma mansoni, acetylcholinesterase in sporocysts of, 305
in vitro conversion of cercariae to schistosomula, 327
membrane proteins of, 261
permeability changes during tail loss, 9
release of membrane antigens by adults, 247
surface changes in, 19
Schistosoma matthei, attenuation of, by passage through hamsters, xxxi
Schistosomula, storage of, xxx
Seasonal occurrence, of helminths in freshwater fish, iii
Selection, for responsiveness and non-responsiveness to *Trichuris muris* in mice, 377
Seminal vesicle, of *Fasciola hepatica*, ultrastructure of, 437
Serum antibodies, to *Hymenolepis nana*, 465
Spermatogenesis, in *Diclidophora merlangi*, xxiii
Strain variation, in genetic control of immunity, 51
Strobilestrus vanzyli, differentially delayed development in, x
Sulphaquinoxaline, transferred resistance to, in *Eimeria maxima*, 385
Surface, factors affecting changes in *Schistosoma mansoni* cercariae, 19
membranes, of *Schistosoma mansoni*, 247
structure of, in *Trypanosoma brucei*, 393
Survival characteristics, of *Hymenolepis diminuta* hexacanths, 137

Taenia crassiceps, synthesis of host protein by, xxi
Taenia saginata, immunochemistry and serology of infections in cattle, xiv
resistance of cattle to, xiii
Tail loss, effect on permeability of *Schistosoma mansoni* cercariae, 9
Temperature sensitivity, of intracellular *Trypanosoma* (*Schizotrypanum*) *dionisii*, xviii
Tetrabothrius spp., description of, xxxiv
Theileria annulata, transstadial transmission of, 1
Theileria lawrencei, development of, in the tick, 27
Theileriosis, cross-immunity trials on infected cattle, xxviii
Tissue-biopsy-culture, for the detection of cutaneous leishmaniasis, 87
Transmission, experimental, of *Eperythrozoon ovis*, xxxiii
of *Haemobartonella muris*, 35
transstadial, of *Theileria annulata*, 1
Trematodes, function of Laurer's canal in, ii
Trichostrongylus colubriformis, effect of subclinical infections on sheep, xxxii

Trichuris muris, genetic control of immunity to, in mice, 51, 377, xxv
suppression of immunity to, in lactating mice, 77
Trichuris suis, oogenesis and egg shell formation in, xxi
Trypanosoma brucei, phagocytosis and opsonins in infections, xxvii
surface structure of, 393
utilization of amino acids by, 311
Trypanosoma cruzi, passive immunization against, xxvii
Trypanosoma (*Schizotrypanum*) *dionisii*, entry into cells, xviii
temperature sensitivity of the intracellular parasite, xviii
Trypanosomatids, carbon dioxide fixation in, 93

Ultrastructure, of chicken duodenal mucosa in *Eimeria acervulina* infections, 229
of *Eimeria acervulina* within its host, viii
of hookworm oesophageal glands, xxii
of male reproductive system in *Metastrongylus apri*, xxii
of *Plasmodium knowlesi* merozoites, 483
of reproductive system of *Fasciola hepatica*, 437

Viability, of *Plasmodium knowelisi* merozoites isolated using polycarbonate sieves, 475

Water sensitivity, changes of, in *Schistosoma mansoni* cercariae, 19